Advanced Mathematics

*Advanced Mathematics includes Pre-Calculus and Trigonometry. Pre-calculus topics include an analysis and application of functions. Trigonometry topics include an extension of right triangle concepts studied in geometry, analysis of periodic functions, trigonometric identities, and applications.*

**Supplies**:

Dry Erase Marker (low odor)

Laptop

Book

Standard supplies (paper, pencil)

Calculator (graphing calculator)

There are a few available for checkout if you do not already own one.

**Grading Procedures:**

A “point is a point” in the class. That means, a point from a test is weighted the same as a point from homework. There will be a variety of assessments:

*Tests, Quizzes, Projects, Homework, Classwork, Problems of the Day (POD)*

Projects will be assigned to help extend and generalize topics. They may be small investigations or larger endeavors.

Homework will be given daily to help you master the topic of that lesson. Bookwork will not be collected each day, but it will be one method used to help us gauge the progress you are making.

The POD will be completed each day as you come into class. They will be used to review material and set the stage for the new concepts.

**Participation:**

It is important that you are here and participate every class. Your good behavior, attitude, and work ethic will help make each class a positive experience.

Extra help is available before or after school. Please come see me if you have any questions. ☺

**Expectations in Miss Pettit’s Classroom**

The following rules are in place to provide you, the student, with the best atmosphere to learn.

# **Respect:** Have consideration for yourself, fellow classmates, school staff, and property

# **Responsibility:** Be accountable for your actions and do what is expected

## **Restraint:** Have self-control and maintain proper behavior

**Specific Guidelines:**

1. Give classroom instruction your individual attention. While in here, your focus will be on mathematics.
2. Do not interfere with the learning experience of others. Sleeping, clowning around, disrupting class, or arguing is not permitted.
3. *Cell phones are not to be used at all. Please turn them off. If seen or heard, the cell phone will be confiscated for the day. If your class is at the end of the day, you will remain after school for 30 minutes.*
4. The use of calculators and computers adds to the learning of mathematical topics. If it is found that you have misused (e.g. storing information) technology, privileges will be revoked for an amount of time determined by the teacher.
5. Please be on time. You will receive one “free” tardy. After that, you will stay after school.
6. Do your own work. Cheating and plagiarism will result in a lower grade or a 0 on the assignment.
7. All other rules set forth in the student handbook will also be followed.

Failure to follow the above rules will result in a warning, a writing assignment and/or a detention. If the problem is chronic or severe, it will result in a referral to the principal and/or a phone call home.

**Procedures**

**When you enter the classroom:**

Immediately proceed to your seat and start working on the “Problems of the Day.” This should be completed in a special section of your notebook. Date each entry. If you are absent, write “absent.”

**Daily happenings:**

Each day will look a little different. Depending on the topic, technology, investigations, groupwork, lecture, boardwork, etc will be used. Our transition methods will be discussed as a class.

**Other information**

**Homework/Low Grades**:

Completing homework is vitally important in helping you master a concept. If it is apparent you are not completing your work, a “homework detention” may be issued. This means you will stay after school with me to complete the assignment.

**Absences:**

Students are responsible for finding out assignments, quizzes, and tests. See the handbook.

**Calculators:**

If you do not have a graphing calculator, you may check one out for the evening. See me. Note that any damage/a lost calculator will be billed to you.